

WHAT IS CLAIMED IS:

1. A recording tape cartridge comprising:

a case which is substantially rectangular and is formed from an upper case, at which a peripheral wall stands erect at a ceiling plate, and a lower case, at which a peripheral wall stands erect at a floor plate, the case rotatably accommodating a single reel on which a recording tape is wound; and

at least one screw boss disposed at a predetermined position of the upper case and the lower case, for joining the upper case and the lower case together,

wherein the screw boss has a structure in which a convex portion and a concave portion are fit together, and

a thickness of a border portion between the peripheral wall and the ceiling plate and a border portion between the peripheral wall and the floor plate is formed to be thinner than a thickness of the peripheral wall.

2. The recording tape cartridge of claim 1, wherein the thickness of the border portions is a value which is 50% to 85% of the thickness of the peripheral wall.

3. The recording tape cartridge of claim 1, wherein a plurality of the screw bosses are provided.

4. The recording tape cartridge of claim 1, wherein the convex portion of the screw boss is provided at one of the upper case and the lower case, and the concave portion is provided at a case opposing the case at which the convex portion is provided.

5. The recording tape cartridge of claim 1, wherein the peripheral wall has a first peripheral wall and a second peripheral wall, and the border portions have a first border portion between the ceiling plate and the first peripheral wall and a second border portion between the floor plate and the second peripheral wall, and a groove is formed at an inner portion side of the case along the first border portion and the second border portion.

6. The recording tape cartridge of claim 1, wherein the border portions are curved portions.

7. The recording tape cartridge of claim 5, wherein a depth of the groove is a value which is from 15% to 50% of a thickness of at least the ceiling plate.

8. The recording tape cartridge of claim 7, wherein a thickness of portions of the first and second border portions where the groove is formed is a value which is from 50% to 85% of a thickness of the ceiling plate.

9. The recording tape cartridge of claim 7, wherein a depth of the groove is a value which is from 15% to 50% of a thickness of the floor plate.

10. The recording tape cartridge of claim 7, wherein a depth of the groove is a value which is from 15% to 50% of a thickness of the peripheral wall.

11. A method of ensuring relative positional accuracy of structural members of a recording tape cartridge comprising:
providing a case which is substantially rectangular and is formed from an upper case, at which a peripheral wall stands erect at a ceiling plate, and a lower case, at which a peripheral wall stands erect at a floor plate, the case rotatably accommodating a single reel on which a recording tape is wound; and at least one screw boss disposed at a predetermined position of the upper case and the lower case, for joining the upper case and the lower case together;

forming the screw boss as a structure in which a convex portion and a concave portion are fit together; and

forming a thickness of a border portion between the peripheral wall and the ceiling plate and a border portion between the peripheral wall and the floor plate to be thinner than a thickness of the peripheral wall.

12. The method of claim 11, further comprising a step of setting the thickness of the border portions to be a value which is 50% to 85% of the thickness of the peripheral wall.

13. The method of claim 11, further comprising a step of providing a plurality of the screw bosses.

14. The method of claim 11, wherein the step of forming the screw boss as a structure in which a convex portion and a concave portion are fit together includes a step of providing the convex portion of the screw boss at one of the upper case and the lower case, and providing the concave portion at a case opposing the case at which the convex portion is provided.

15. The method of claim 11, further comprising a step of forming a groove at an inner portion side of the case along a first border portion and a second border portion in which the peripheral wall has a first peripheral wall and a second peripheral wall, and the border portions have the first border portion between the ceiling plate and the first peripheral wall and the second border portion between the floor plate and the second peripheral wall.

16. The method of claim 11, further comprising a step of making the border portions be curved portions.

17. The method of claim 15, further comprising a step of setting a depth of the groove to be a value which is from 15% to 50% of a thickness of at least the ceiling plate.

18. The method of claim 17, further comprising a step of setting a thickness of portions of the first and second border portions where the groove is formed to be a value which is from 50% to 85% of a thickness of the ceiling plate.

19. The method of claim 17, further comprising a step of setting a depth of the groove to be a value which is from 15% to 50% of a thickness of the floor plate.

20. The method of claim 17, further comprising a step of setting a depth of the groove to be a value which is from 15% to 50% of a thickness of the peripheral wall.